"Tailor made reagents"

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Prod. Nr. CL00.0817

MATERIAL SAFETY DATA SHEET

Date: 27-10-2009

1. *Identification of the substance / preparation and company.*

Product details:
Prod. Nr. CL00.0817
Trade name: Hexane-(n) 99%, HPLC grade
Information provided by CHEM-LAB n.v. product service. Emergency telephone: 00 (32) 50.28.83.20

2. *Composition / Information on ingredients.*

Chemical characterisation: Hexane-(n) 99%, HPLC grade
CAS Nr 110-54-3
EINECS Nr 203-777-6
EC Nr 601-037-00-0
Formula C6H14
Concentration 99+% C6H14

3. *Hazard identification*

Vapours may cause drowsiness and dizziness. Harmful: may cause lung damage if swallowed. Possible risk of impaired fertility. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful : danger of serious damage to health by prolonged exposure through inhalation. Irritating to skin. Highly flammable.

4. *First aid measures.*

First-aid personnel: ensure self-protection!
After inhalation: Fresh air. If breathing stops immediately apply mechanical ventilation, if necessary oxygen mask. Immediately call in physician.
After contact with skin: Wash off with plenty of water. Remove contaminated clothing.
After contact with eyes: Rinse out with plenty of water with the eyelid held wide open.
After ingestion: Caution if victim vomits. Risk of aspiration! Keep airways free. Immediately cal! in physician. In case of spontaneous vomiting, risk of aspiration. Pulmonary failure possible. Call in physician.

5. *Fire fighting measures.*

Extinguishing media: Use dry chemical or carbon dioxide.
Extinguishing media not be used: Do not use water. Cool container with spray water from a save distance. Pre vent fire-fighting water from entering surface water or groundwater.
Special hazards: Combustible. Vapours heavier than air. Forms explosive mixtures with air at ambient temperatures. Development of hazardous combustion gases or vapours possible in the event of fire.
Protective equipment: Do not stay in dangerous zone without self-contained breathing apparatus. In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

6. Accidental release measures.

Personal precautions: Do not inhale vapours/aerosols. Avoid substance contact. Ensure supply of fresh air in enclosed rooms.

Ecological precautions: Do not allow to enter sewerage system; risk of explosion!

Cleaning methods: Absorb on vermiculite, sand or a pillow from Chemical Spill Center.

7. Handling and storage.

Handling: Keep away from sources of ignition. Take measures to prevent electrostatic charging. Work under hood . Do not inhale substance. Avoid generation ofvapours/aerosols.

Storage: Closed in a well ventilated place. Away from sources of ignition and heat.

8. Exposure controls - Personal protection.

Gen protection measures: Protective clothing should be selected specificaBy for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protections: Wear gas helmet.

Eye protection: Need.

Hand protection: Need.

Body protection: Need.

Industrial Hygiene: Immediately change contaminated clothing. Apply skin- protective barrier cream. Wash hands and face after working with substance. Under no circumstances eat or drink at workplace. Work under hood . Do not inhale substance.

9. Physical and chemical properties.

Appearence.

Form: liquid

Colour: colourless

Odour: specific

Changes in physical state.

Melting Point: -94°C

Boiling point: 68°C

Flash point: -22°C

Ignation temperature: 240°C

Mol. Weight: 86.18 g/mol

Density: 0,66 g/ml

pH value: -

Solubility in water: unsoluble

Further information: explosion limits - lower 1.1 vol% / upper 7.4 vol%

10. Stability and reactivity.

Stability: 36.0 months

Reactivity: Explosible with air in a vaporous/gaseous state when heated.

11. Toxicological information.

LD50 orl. rat 28710 mg/kg

12. Ecological information.

Do not allow to enter waters, waste water, or soil!

13. Disposal considerations.

Product: Chemicals must be disposed of in compliance with the respective national regulations. Packaging: Chem-lab product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

14. Transport information.

UN Nr: 1208
Road transport: 3,II
Marine transport: 3,II
Air transport: 3,II

15. Regulatory information.

R Nrs.: 67 - 65 - 62 - 51/53 - 48/20 - 38 - 11

R Phrases: Hazard symbols: F  Xn  N 

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Irritating to skin.
Highly flammable.

S Nrs.: 62 - 61 - 36/37 - 33 - 29 - 16 - 9

S Phrases:

If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label.
Avoid release to the environment. Refer to special instructions/Safety data sheets.
Wear suitable protective clothing and gloves.
Take precautionary measures against static discharges.
Do not empty into drains.
Keep away from sources with ignition - No smoking.
Keep container in a well-ventilated place.

16. Other information.

The information and recommendations in this MSDS are to the best of our knowledge, information and belief accurate at the date of publications. Although utmost care has been taken in the composition of this text, the publisher cannot be held responsible for any damage resulting from any possible error in this publications.